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IBM Technical Disclosure Bulletins

Term: L19 with l15 with l9

Display: 10 **Documents in Display Format:** - **Starting with Number** 1

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Search History

DATE: Friday, July 11, 2003 Printable Copy Create Case

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L18: Entry 1 of 5 File: PGPB Sep 5, 2002

DOCUMENT-IDENTIFIER: US 20020122819 A1
TITLE: Novel liposome complexes for increased systemic delivery

Detail Description Paragraph (35):
[0064] The sandwich liposome complexes of the present invention may be used to make effective artificial viruses. Because the outside of the sandwich liposome complexes is substantially free of biologically active agents, targeting ligands may be placed on the outside after sandwich liposome formation, without compromising the effect of the targeting ligand or the ability of the biologically active agents to be delivered and expressed. This may enable delivery to specific organs and tissues. The size of the sandwich liposome complexes responsible for efficient delivery, 200 to 450 nm (see also Table 1), is preferred for the addition of targeting ligands. Our experiments demonstrate the usefulness of this approach (See Example 9, FIG. 7).

L18: Entry 3 of 5 File: USPT Jul 30, 2002

DOCUMENT-IDENTIFIER: US 6426086 B1
TITLE: pH-sensitive, serum-stable liposomes

Detailed Description Text (128):
Drug-to-lipid ratios were determined both before and after polymer addition to see if adding the polymer resulted in any destabilization of the liposomes. Following addition of the polymer, liposomes lost approximately 5% of their total doxorubicin, indicating only a minor disruption of the liposome resulted from polymer introduction. The size of the liposomes was similar--73.9 vs 83.7--for the two preparations. The folate-PEG-DSPF, containing composition is likely closer to the 74 nm shown for the non-targeted liposomes, but was weighted slightly higher due to a small amount of contamination with larger particles. This size is well within the optimal size range for liposome use in vivo. Liposomes are taken up by macrophages of the RES in a fashion dependent on the size of the liposomes; smaller liposomes are taken up less readily than large liposomes.

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L18: Entry 5 of 5 File: USPT Feb 29, 2000

DOCUMENT-IDENTIFIER: US 6030942 A
TITLE: Peptides peptide analogs peptidomimetics and other small molecules useful for inhibiting the activity of ribonucleotide reductase

Detailed Description Text (391):
Leamon et al. (1991, Proc. Natl. Acad. Sci. USA 88:5572-5576; Leamon et al., 1993, Biochem. J. 291:855-860; Leamon et al., 1993, J. Biol. Chem. 268 (33):24847-24854) have demonstrated that proteins covalently attached to folic acid are taken up into cells by folate binding protein (FBP) mediated endocytosis, and have used this approach to introduce toxic proteins such as momordin, a ribosome-inactivating protein into cells, thereby killing them. Because FBP is vastly overexpressed on certain malignant cell surfaces, including those of Hela and Caco-2 cells (Leamon et al., 1994, J. Drug Target 2:101-112; Weitman et al., 1992, Cancer Res. 52:3396-3401), this approach can in some cases permit selective destruction of malignant cells. More recently, Low and colleagues have extended this approach by demonstrating that liposomes (66 nm) conjugated to folate via a polyethylene glycol (PEG) spacer (M.sub.r .about.3250) can be used to deliver materials contained within the liposome, such as antisense oligonucleotides and doxorubicin, into cancer cells (Lee et al., 1994, J. Biol. Chem. 269:3198-3204; Lee et al., 1995, Biochim. Biophys. Acta 1233, 134-144; Wang et al., 1995, Proc. Natl. Acad. Sci. USA 92:3318-3322).

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DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ			
L20	L19 with l15 with l9	4	L20
L19	directly	1777422	L19
L18	l15 with l9 with l11	5	L18
L17	L16 and l13	20	L17
L16	L15 same l14	20	L16
L15	targeting ligand or folate or transferrin	11724	L15
L14	l13 same l9	1136	L14
L13	spherical or accentric	281404	L13
L12	L11 with l9	1633	L12
L11	nm	323164	L11
L10	intravenous or systemic	119302	L10
L9	liposome or cationic lipid or polyplex	40451	L9
L8	intact vector with l1	1	L8
L7	L6 and l5	23	L7
L6	gene therapy	29969	L6
L5	L4 with l3	68	L5
L4	dna or nucleic or plasmid	197612	L4
L3	l2 with L1	2007	L3
L2	intact or supercoiled	110023	L2
L1	microparticle or microsphere or polymer	1495484	L1

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